Engineering in Action
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04 Market Segments & Services
05 Highlights
06 Activities
08 Pipeline Transportation Systems
10 Oil & Gas
12 Petroleum Refineries, Petrochemical & Chemical
14 Power Plants
16 Power Transmission
18 Steel & Metals Plants
19 Industrial Plants
20 Mining
21 Infrastructure Facilities
22 Architectural Works
24 Multilocal Presence
26 Resources
MARKET SEGMENTS & SERVICES

PIPELINE TRANSPORTATION SYSTEMS
Gas, oil, refined and chemical products, oxygen and slurry lines, storage facilities, pump and compression stations.

OIL & GAS
Field development, GOSP, Gas gathering centers, LNG plants.

PETROLEUM REFINERIES, PETROCHEMICAL & CHEMICAL
Oil and gas processing facilities, oil refineries, petrochemical plants, fertilizers plants.

POWER PLANTS
Simple and combined cycle power plants, cogeneration units, hydroelectric power plants, nuclear facilities.

POWER TRANSMISSION
High voltage transmission lines and substations, distribution networks.

STEEL & METALS PLANTS
Steelworks, mini mills, rolling mills, blast and electric furnaces, production facilities, aluminum, metallurgical and precious metals plants.

INDUSTRIAL PLANTS
Cement, pulp, paper and industrial construction material plants, bulk material handling plants, manufacturing industry.

MINING
Civil works, roads and runways, processing plants, piping and soil movement.

INFRASTRUCTURE FACILITIES
Roads, highways, bridges, tunnels, railways, subways, aqueducts, ports, airports, water and waste treatment plants, dams, telecommunications systems.

ARCHITECTURAL WORKS
Offices and commercial buildings, housing complexes, cultural and educational facilities, detention centers and hospitals.
Over 3,000 projects completed around the world.

Operations in more than 45 countries.

70,000 Km of pipelines.

16 trans-Andean pipelines.

Over 1,000 units completed in refinery and petrochemical plants.

20,000 Km of power lines.

74,000 MW installed in power plants.

7 million kVA installed in substations.

7,500 Km of roads.

2.5 million man hours of engineering per annum on average in the last ten years.

40 million direct field labor hours of construction per annum on average in the last ten years.

US$ 500 million worth of own construction equipment.

7,000 tons of lifting capacity.

25,000 employees on average.
Techint provides Engineering, Procurement and Construction services on a global basis. For almost 60 years Techint has been committed to adding value for its customers and has successfully completed a wide range of large and complex projects in remote locations.

Techint has a long-standing presence in Europe, Latin America, the Middle East and Africa, and has achieved a strong local position in many countries in these areas. This multilocal approach allows Techint to deal effectively with local business practices, technical standards, laws and regulations, taxes, financial institutions, labour unions and subcontractors.

Techint provides a wide range of services to implement projects from early stages to completion.

These services include:

- Feasibility Studies
- Process Studies and Technology Selection
- Basic and Front-End Engineering Design
- Detail Engineering
- Procurement Services
- Permitting
- Process Equipment Manufacturing
- Fabrication and Installation of skid-mounted equipment or modular units
- Construction Supervision
- Construction
- Commissioning and Start-up Assistance
- Personnel Training
- Assistance with Plant Operation
- After Sales Services
- Project Management
- Project Financing
- Operation & Maintenance

The company signs contracts under the following structures:

- EPC lump-sum turn-key
- EPCM
- Cost plus fee
- Guaranteed maximum price
- BOT
- BOO
- Progressive lump-sum on an open-book basis
Techint understands its clients’ needs, and provides them with the best technical solutions combined with low production costs and minimum environmental impact. The company has built its reputation for excellence through the successful application of top quality engineering, know-how, skilled resources and cost-effective solutions.

Techint has defined policies that promote the development of its activities in harmony with the Environment. Thus, specific Environmental Prevention, Protection, Mitigation and Compensation programs are used for each project, with adequate planning and execution techniques, as well as clearly determined objectives. For that purpose, an exhaustive training program is implemented on a permanent basis, and a Management System for Health, Safety and Environment is applied and updated according to the projects’ requirements.

Regarding safety and health, Techint’s goal is to achieve zero accidents and foster safe and appropriate behavior among all employees, firmly convinced that works can be accomplished with no adverse impact on the environment or on the people, provided that proper planning and execution techniques are employed.

The company is proud not only of its record of fulfilling regulatory requirements, but also of its constant focus on the continuous improvement of its environmental performance, which is audited under ISO 14001 international standards, reflecting the maximum respect for the Sustainable Development of the areas where projects are executed.

Techint is certified and complies with ISO 14001 environmental management standards.
OCP HEAVY CRUDE OIL PIPELINE. ECUADOR. The 503 Km long pipeline of 24", 32" and 34" diameter runs from the oil fields of Lago Agrio to the Balao Terminal, near Esmeraldas port, on the Pacific Ocean Coast. The project includes all the associated facilities, such as a tank farm with a total capacity of 4,950,000 barrels, pumping and pressure reducing stations, offshore marine terminal and SCADA telecommunications, control and acquisition system.
CAMISEA GAS PIPELINE. PERU
CUSTOMER: Transportadora de Gas del Perú (Tecgas, Pluspetrol, Hunt Oil Company, Sonatrach, Graña y Montero, SK Corporation and Tractebel).
DESCRIPTION: Natural gas and natural gas liquids (NGL) transportation project, from Camisea field to Lima’s city gate, in Peru. The project comprises one 730 Km long pipeline of 32” & 34” diameter for delivering natural gas, and one 540 Km long pipeline of 10” & 14” for liquids transportation. It also involves additional facilities such as: four pumping stations and two pressure reduction stations, SCADA and control system with fiber optics and satellite back-up.
SCOPE OF WORK: Basic and Detail Engineering, Procurement, Construction, Commissioning and Start-up.
YEAR OF COMPLETION: 2004
PROJECT VALUE: US$ 650,000,000

NOR ANDINO GAS PIPELINE. ARGENTINA – CHILE
CUSTOMER: Nor Andino S.A. (Tractebel).
DESCRIPTION: Gas pipeline linking Argentina and Chile, with a total length of 1,042 Km. The trunk line starts at Pichanal (Argentina) and finishes at Crucero (Chile), 708 Km of 20” diameter. The system includes branch lines in Chilean territory, to Tocopilla and Mejillones, 258 Km of 16” diameter and to Coloso, 72 Km and 12”. Surface facilities, such as block valves, metering and regulation stations and pig traps were also installed, including a SCADA and telecommunications system.
SCOPE OF WORK: Basic and Detail Engineering, Procurement, Construction, Commissioning and Start-up.
YEAR OF COMPLETION: 1999
PROJECT VALUE: US$ 330,000,000

HAWIYAH GAS DEVELOPMENT PIPELINE. SAUDI ARABIA
CUSTOMER: Saudi Aramco.
DESCRIPTION: Pipelines for transferring gas from the Hawiyah gas plant to the existing facilities of Uthmaniyah and Shedgum. The total length of new pipelines was about 604 Km, from 24” to 56” diameter. The works also comprised the Hawiyah and Haradh’s manifolds, as well as the conversion, from crude oil to gas, of an existing 150 Km long oil pipeline, in order to transport gas to the Riyadh’s thermoelectric power plants.
SCOPE OF WORK: Detail Engineering, Procurement, Construction and Pre-commissioning and Start-up Assistance.
YEAR OF COMPLETION: 2001
PROJECT VALUE: US$ 260,000,000

BOLIVIA – BRAZIL GAS PIPELINE. BRAZIL
CUSTOMER: Petrobras.
DESCRIPTION: Sections V, VI and VII of the gas pipeline system portion carried out on Brazilian territory. The 734 Km length and 32” diameter pipeline sections, able to transport up to 30 million of m³/day of gas, connect the locations of Mimoso with Campinas.
SCOPE OF WORK: Detail Engineering and Construction.
YEAR OF COMPLETION: 1999
PROJECT VALUE: US$ 187,000,000

REYNOSA – SAN FERNANDO GAS PIPELINE. MEXICO
CUSTOMER: Gasoductos de Tamaulipas, a JV between Pemex and El Paso Co.
DESCRIPTION: A 36” pipeline with a total length of 120 Km, two compression stations with a capacity of 39,000 hp each, two metering stations, two pig traps and on line valves, SCADA and cathodic protection system. The pipeline goes from the city Reynosa to the town of San Fernando in the State of Tamaulipas.
SCOPE OF WORK: Basic and Detail Engineering, Permitting, Procurement, Construction, Commissioning, Start-up and Training.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 150,000,000
HAWIYAH GAS PLANT INLETS AND AUXILIARY FACILITIES. SAUDI ARABIA.

The inlet facilities package includes six slug catchers and five air coolers followed by five three-phase separators, two hydrocarbon stabilizer modules, two sour water stripper modules, auxiliaries and the main electric power supply substations, among other major equipment. The batch slug catcher is sized for 540,000 SCFD with design pressure and temperature of 693 PSI and 248 °F.

CUSTOMER: Saudi Aramco.

SCOPE OF WORK: Detail Engineering, Procurement, Construction and Pre-commissioning.

YEAR OF COMPLETION: 2002

PROJECT VALUE: US$ 280,000,000
CUPIAGUA CENTRAL PROCESSING FACILITIES, COLOMBIA
CUSTOMER: Oleoducto Central S.A. (Consortium formed by B.P. Exploration Ltd., Empresa Colombiana de Petróleos, Total, Triton and Transcanada).
DESCRIPTION: Crude Oil processing facilities formed by three trains of 100,000 BPD each, a gas re-injection plant with six turbocompressors with a total capacity of 1,300,000 SCFD and a power generating plant of 2 x 26.2 MW.
SCOPE OF WORK: Detail Engineering, Procurement, Construction and Pre-commissioning.
YEAR OF COMPLETION: 1999
PROJECT VALUE: US$ 270,000,000

BONNY ISLAND LNG TRAINS 1-2-3-4-5, NIGERIA
CUSTOMER: TSKJ (Technip France, Snamprogetti Italy, Kellogg Brown & Root USA, JGC Japan) for a JV among NNPC, Shell, Elf and Agip.
DESCRIPTION: The total LNG production capacity of the five trains is over 21 M ton/year. Three separate contracts have been signed from 1997, the last one being signed in 2003, to be completed in 2005. The works include 4 x 52 MW and 3 x 36 MW gas turbine power stations, gas receiving and gas pretreatment units and gas compression, condensate fractionation and stabilization plants and all electrical, instrument and telecommunications facilities for trains 1, 2, 3 and 4, and utilities and common facilities for train 5.
SCOPE OF WORK: Mechanical Erection, Electrical and Instrumentation Works, Supply of bulk materials and Assistance with Commissioning.
YEAR OF COMPLETION: 2005
PROJECT VALUE: US$ 200,000,000

POLO ARARA OIL & GAS PROCESSING PLANT, BRAZIL
CUSTOMER: Petrobras.
DESCRIPTION: Natural gas processing plant located at the oil-bearing province of Río Urucu, in the Amazon’s State. The plant was built for a processing capacity of 212,000 SCFD of gas and 45,000 BPD of petroleum, and facilities for re-injection of 183,000 SCFD of gas.
SCOPE OF WORK: Detail Engineering, Procurement, Construction, Pre-commissioning and Start-up and Pre-operation Assistance.
YEAR OF COMPLETION: 1999
PROJECT VALUE: US$ 200,000,000
PETROLEUM REFINERIES, PETROCHEMICAL & CHEMICAL

LANDULPHO ALVES REFINERY, BRAZIL. Fluid catalytic cracking at RLAM, in Bahía, consisting of the following main units: Catalytic Cracking Fractionating Unit (10,000 m³/day capacity), Sulphur Recovery Unit (2,826 m³/day), three Gasoline Storage Tanks (12,000 m³ capacity each) and two LPG Storage Tanks (3,200 m³ capacity each), Process Piping and Utilities (2,150 m³/hour), and expansion of water treatment plant, Cooling Tower, Acid Water Treatment Plant and Power Plant.

CUSTOMER: Petrobras.
SCOPE OF WORK: Detail Engineering, Procurement, Construction, Pre-commissioning and Start-up.
YEAR OF COMPLETION: 2000
PROJECT VALUE: US$ 393,000,000

PROFERTIL FERTILIZER COMPLEX, ARGENTINA
CUSTOMER: Profertil S.A.
DESCRIPTION: This complex for urea and ammonia production is considered the largest of its type in the world. Main installations include the urea production unit (3,250 ton/day capacity), the urea granulating unit (1,850 ton/day capacity), the ammonia unit (2,050 ton/day capacity). Complementary facilities and utilities include Water, Condensate, Steam, Natural Gas, Fuel Gas, Air, Inert Gas, Flare and Vents. Off-Sites include transport and loading of produced ammonia and urea products, depot and jetty.
SCOPE OF WORK: Basic and Detail Engineering, Procurement, Construction, Pre-commissioning and Start-up.
YEAR OF COMPLETION: 2002
PROJECT VALUE: US$ 380,000,000

LA TEJA REFINERY, URUGUAY
CUSTOMER: Administración Nacional de Combustibles, Alcohol y Portland - ANCAP.
DESCRIPTION: Revamping of La Teja refinery to increase by 30% the oil refining capacity and to produce unleaded gasoline and low sulphur content gas oil. Construction of three new process units: Continuous Catalytic Reforming (capacity 12,000 BPS), Isomerization (capacity 6,000 BPS) and Gasoline Hydro-treating (capacity 18,000 BPS); revamping of three existing process units, topping (capacity increase from 37,000 to 50,000 BPS), and catalytic cracking (capacity increase from 9,000 to 12,500 BPS) including modifications in the off-sites and the tanks area.
SCOPE OF WORK: Engineering, Procurement, Construction and Start-up.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 125,000,000
METHANOL PLANT, PLAZA HUINCUL REFINERY, ARGENTINA
CUSTOMER: Repsol YPF.
DESCRIPTION: New plant for the production of methanol at Plaza Huincul Refinery, in Neuquén province, with a total production capacity of 450,000 ton/year. The new plant, which will use natural gas as raw material, includes all main process units such as Gas Generation, Compression, Synthesis and Distillation, as well as all the offsites and auxiliary services.
SCOPE OF WORK: Detail Engineering, Procurement, Construction and Start-up.
YEAR OF COMPLETION: 2002
PROJECT VALUE: US$ 115,000,000

PAULINIA REFINERY, BRAZIL
CUSTOMER: Petrobras.
DESCRIPTION: Delayed coke and acid waters units and facilities for coke handling in Paulinia Refinery (REPLAN). New cooling tower (TR 6151) with the capacity to process 14,475 m³/hour of cooling water and its substation, required for the installation of a new unit for hydrotreatment of unstable streams, hydrogen generation, delayed coke and acid waters.
SCOPE OF WORK: Procurement and Construction.
YEAR OF COMPLETION: 2004
PROJECT VALUE: US$ 55,000,000

GASOLINE DESULPHURIZATION PLANT, ITALY
CUSTOMER: Raffineria di Milazzo S.p.A.
DESCRIPTION: The purpose of the plant is the desulphurization of a stream of FCC naptha and its reduction in olefins saturation content through two phases of catalytic distillation reaction processes. The first step reduces the sulphur content to 75 ppm and the second one to 15 ppm. The plant consists of two catalytic distillation columns, other conventional columns complete with condensers, reboilers and reflux accumulators, one reactor, one fired reboiler, heat exchangers, pumps, hydrogen recycle compressors and one recycle gas sweetening unit. The plant has a capacity of 3,200 ton/day of stabilized naptha.
SCOPE OF WORK: Detail Engineering, Procurement, Construction and Pre-commissioning.
YEAR OF COMPLETION: 2004
PROJECT VALUE: € 36,000,000

CANGREJERA AND MORELOS ETHYLENE PLANTS, MEXICO
CUSTOMER: PEMEX.
DESCRIPTION: Expansion of the Cangrejera and Morelos ethylene plants from 500,000 to 600,000 ton/year in Coatzacoalcos, Veracruz, under two separate contracts.
SCOPE OF WORK: Basic and Detail Engineering, Procurement, Construction and Start-up. Process license subcontracted to others.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 40,000,000

ARENQUE GAS TREATMENT PLANT, MEXICO
CUSTOMER: PEMEX.
DESCRIPTION: Modular plant including sweetening, cryogenic liquid recovery, sulphur recovery units and utilities in Ciudad Madero, Tamaulipas. Capacity: 34 MMCFD.
SCOPE OF WORK: Basic and Detail Engineering, Procurement, Construction and Start-up. Process license subcontracted to others.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 25,000,000.
CENTRAL PUERTO POWER PLANT, ARGENTINA. A 770 MW combined cycle thermoelectric power plant, which consists of two gas turbines linked to their respective heat recovering boilers and a steam turbine.

CUSTOMER: Central Puerto S.A.
SCOPE OF WORK: Basic and Detail Engineering, Procurement, Construction, Pre-commissioning and Start-up.
YEAR OF COMPLETION: 2000
PROJECT VALUE: US$ 240,000,000
PORTO PRIMAVERA HYDROELECTRIC POWER STATION. BRAZIL
CUSTOMER: Companhia Energetica de São Paulo.
DESCRIPTION: The electromechanical installation of the power plant comprises eighteen 103 MW Kaplan turbines, with their complete accessories, transformer substations, sluice gates, traveling cranes and associated electrical and mechanical services.
SCOPE OF WORK: Complete Electromechanical Erection.
YEAR OF COMPLETION: 2004
PROJECT VALUE: US$ 112,000,000

TAMUIN PETCOKE POWER PLANT. MEXICO
CUSTOMER: Alstom Power.
DESCRIPTION: Civil works and mechanical erection of two 260 MW petcoke fired power plants including four 130 MW boilers in Tamuín, in the State of San Luis Potosí.
SCOPE OF WORK: Construction, Pre-commissioning and Assistance with Commissioning.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 70,000,000

SUEZ & PORT SAID POWER PLANTS. EGYPT
DESCRIPTION: Two gas fired power plants, 2 x 320 MW each located at Sokna, Suez City and Port Said. Electromechanical package of the plants including the condensing systems, steam turbines, generators, rotating machines and fabricated equipment, valves and piping supports, electrical works, HVAC, water treatment plant, instrumentation, thermal insulation, painting, auxiliary boiler for EdF and the complete erection of the four boilers for FW.
SCOPE OF WORK: Erection.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 65,000,000

ASM BREScia. ITALY
CUSTOMER: ASM – Brescia, Italy.
DESCRIPTION: Refuse incinerator with a burning capacity of 1,012 ton/day and a thermal output of 100 MW. The steam boiler has a capacity of 862,000 ton per annum, with a maximum capacity of 115 ton/hour.
SCOPE OF WORK: Detail Engineering and Procurement of the BOP and Construction of the whole plant.
YEAR OF COMPLETION: 2004
PROJECT VALUE: US$ 50,000,000
T.L. 407 ASSOCIATED TO ALTAMIRA II, III AND IV POWER PLANTS. MEXICO.

Five 400 kV transmission lines 404 Km long, four substations and 24 feeders in 400 kV in the States of Tamaulipas, Veracruz and San Luis Potosí. Each HVTL has 2 circuits and 3 conductors per phase. Self supported steel towers.
MANUEL MORENO TORRES TRANSMISSION LINE (II STAGE). MEXICO
CUSTOMER: Comisión Federal de Electricidad (CFE)
DESCRIPTION: Four 400 kV transmission lines, 589 Km long, 1 or 2 circuits and 2 conductors per phase, self supported steel towers, three substations and nine feeders at 400 kv in the States of Veracruz, Oaxaca, Puebla and Tlaxcala.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 270,000,000

506 SALTILLO-CANADA TRANSMISSION LINE. MEXICO
CUSTOMER: Comisión Federal de Electricidad (CFE).
DESCRIPTION: Three 400 kV transmission lines, 694 Km long, self supported steel towers, five substations and six feeders at 400 kV in the States of Aguascalientes, Coahuila, Nuevo León, San Luis Potosí, Tamaulipas and Zacatecas.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 250,000,000
ALUAR ALUMINUM PLANT, ARGENTINA
DESCRIPTION: Expansion of aluminum plant in Puerto Madryn. The project involves two potlines for an additional 144 electrolytic cells, for increasing its annual production to 72,000 tons. Auxiliary facilities involved anodes rodding sector, rod repairing sector, fume exhaust and treatment, anode transport and cleaning system, anode storage, new coke silo, distribution nets and auxiliary services.
SCOPE OF WORK: Basic and Detail Engineering, Procurement, Construction and Start-up.
YEAR OF COMPLETION: 1999
PROJECT VALUE: US$ 115,000,000

EXPANSION OF MOBARAKEH STEEL COMPLEX, IRAN
CUSTOMER: National Iranian Steel Company – Mobarakeh Steel Co.
DESCRIPTION: Expansion of Mobarakeh Steel Complex to increase the production of steel from 3.0 up to 4.1 million ton/year and improving the quality of the downstream production of hot and cold rolled coils. Expansion of raw materials yards capacity, revamping of 4 EAF and expansion of the steel melting shop, installation of furnace active panels for hot strip mill, new pickle line and a new continuous reprocessing and recoiling line.
SCOPE OF WORK: Basic and Detail Engineering, Supply of Equipment, Construction and Commissioning Supervision, Technical Assistance and Training.
YEAR OF COMPLETION: 2004
PROJECT VALUE: € 100,000,000

STEEL & METALS PLANTS
PETACALCO COAL TERMINAL AND HANDLING SYSTEM, MEXICO

CUSTOMER: Comisión Federal de Electricidad (CFE).

DESCRIPTION: Coal handling facilities for the 2,100 MW Petacalco Power Plant with a capacity up to 6 million ton/year. The plant includes port facilities for vessels up to 170,000 DWT, two continuous ship unloaders, coal yard, two stackers and reclaimers, mixing, screening and grinding facilities and almost 15 Km of belt conveyors to the Plutarco Elias Calles Power Plant. The terminal is located in Lázaro Cárdenas and Petacalco, on the border of the States of Michoacán and Guerrero.

SCOPE OF WORK: BOT. Design, Procurement and Construction, Project Financing, Operation and Maintenance for 30 years. Techint is the manufacturer of the ship unloaders and stackers and reclaimers.

YEAR OF COMPLETION: 1999
OPERATION: Up to 2029
PROJECT VALUE: US$ 320,000,000

GAS STOVES AND BURNERS FACTORY, RUSSIA

CUSTOMER: Gasmash (Rao/Gazprom).

DESCRIPTION: Manufacturing plant at Tchaikovskij for the production of 250,000 gas stoves and 5,000,000 gas burners per year utilizing Elfi / Brandt technology.

SCOPE OF WORK: Basic and Detail Engineering, Procurement, Supervision to Erection, Commissioning and Start-up.

YEAR OF COMPLETION: 1999
PROJECT VALUE: US$ 50,000,000
MINING

VELADERO GOLD MINE, ARGENTINA
CUSTOMER: Barrick Gold (MAGSA).
DESCRIPTION: Open Pit Gold Mine: Access Road to Veladero (160 km. long, 8 m wide), Truck Maintenance Shop, Assay Laboratory, Construction Camp, Process Plant and Crushing Areas.
SCOPE OF WORK: Engineering, Procurement and Construction Services (in packages).
YEAR OF COMPLETION: Scheduled for October 2005.
PROJECT VALUE: US$ 90,000,000

DISPUTADA DE LAS CONDES SLURRY PIPELINE, CHILE
CUSTOMER: Minera Sur Andes Limitada.
DESCRIPTION: Replacement of 30.4 km of existing slurry pipeline (under operation); new dissipation station and and works on two existing ones; modification of the existing venting system.
SCOPE OF WORK: Construction.
YEAR OF COMPLETION: 2004
PROJECT VALUE: US$ 14,500,000

POTASIO RIO COLORADO, ARGENTINA
CUSTOMER: Rio Tinto.
DESCRIPTION: A pilot plant for the exploitation and process of a potash mine in the province of Mendoza, as well as other evaluation of alternatives.
SCOPE OF WORK: Engineering, Procurement and Construction Management (EPCM).
YEAR OF COMPLETION: 2005
PROJECT VALUE: US$ 580,000

VELADERO GOLD MINE, ARGENTINA
ROSSARIO – VICTORIA BRIDGE. ARGENTINA. The two-lane roadway system includes two viaducts of 1,130 m and 2,390 m and earth filled sections for a total length of 60 Km. The main span of the cable-stayed bridge is about 350 m, with two lateral spans of 120 m. With a navigational clearance of 50 m over the Paraná River valley, this project connects the cities of Rosario (province of Santa Fe) and Victoria (province of Entre Rios).

CUSTOMER: Ministerio de Economía e Infraestructura y Vivienda.
SCOPE OF WORK: Engineering, Procurement and Construction.
YEAR OF COMPLETION: 2003
PROJECT VALUE: US$ 350,000,000

COLORADO RIVER AQUEDUCT IN LA PAMPA. ARGENTINA
CUSTOMER: Gobierno de la Provincia de La Pampa.
DESCRIPTION: Aqueduct from Pichi Mahuida town to Santa Rosa city, 152 Km and 42” to 48” diameter in PRFV and branch lines for a total length of 156 Km and 18” and 4” diameter, including two pump stations, one potable water treatment plant, chlorinating building, main control and industrial buildings and warehouses, one 132 kV transformer substation, two reservoirs of 2,500 and 5,500 m³ capacity respectively, SCADA control and telecommunications system.
SCOPE OF WORK: Construction.
YEAR OF COMPLETION: 2004
PROJECT VALUE: US$ 70,600,000
EZEIZA PENITENTIARY COMPLEX. ARGENTINA. Penitentiary complex in Ezeiza, Buenos Aires, with a total covered area of 80,000 m², able to house 1,630 inmates. It is composed by 6 blocks of 300 cells each and areas for education, recreation, religion and other auxiliary facilities. The complex is equipped with state-of-the-art security and communications systems, including a 150-bed hospital.
HUMANITAS ACUTE CARE HOSPITAL. ITALY
DESCRIPTION: 600 beds acute care hospital located in Rozzano – Milan, including a highly specialized emergency department, 23 operating theatres, radiotherapy, cyclotron, outpatient clinics and day hospital. The project includes accommodation for inpatient relatives, laboratories, libraries, auditorium, medical school and all other production and distribution facilities.
SCOPE OF WORK: Basic and Detail Engineering, Procurement, Construction and Administrative Operation Management.
YEAR OF COMPLETION: - hospital 1996 - Accident and Emergency Department (A&E) 2004
PROJECT VALUE: € 120,000,000

ROME AUDITORIUM. ITALY
CUSTOMER: Municipio di Roma.
DESCRIPTION: The project consists of three halls and an outdoor auditorium, adaptable for different musical requirements and styles. The grand hall, with 2,700 seats, is intended for large symphonic orchestras and chorus; the medium-size hall, with 1,200 seats, provides greater acoustical flexibility due to the various positions the orchestra can take with respect to the audience; the small hall, with 700 seats, is designed for experimental music, theatre and cinema. The outdoor auditorium has seating for 3,000 spectators. The complex includes also a library and a museum.
SCOPE OF WORK: Engineering, Procurement and Construction Management.
YEAR OF COMPLETION: 2003
PROJECT VALUE: € 140,000,000

TIJUANA GENERAL HOSPITAL. MEXICO
CUSTOMER: Instituto Mexicano de Seguro Social.
DESCRIPTION: General Hospital with 286 beds in 33,200 m².
SCOPE OF WORK: Detail Engineering, Procurement, Construction, Installation of special medical equipment and Commissioning.
YEAR OF COMPLETION: 2001
PROJECT VALUE: $50,000,000

LA NACIÓN BUILDING. ARGENTINA
CUSTOMER: Diario La Nación.
DESCRIPTION: 16-floor tower building constructed over the existing operating building owned by La Nación newspaper, including recycling and modernization of existing offices and facilities, with a total covered area of 34,000 m² for offices and 550 m² for the parking lot.
SCOPE OF WORK: Engineering and Construction.
YEAR OF COMPLETION: 2004
PROJECT VALUE: $22,000,000
MULTILOCAL PRESENCE

TECHINT IN ITALY
www.techint.it
Founded in 1945, Techint Compagnia Tecnica Internazionale is the forerunner of what is today the extensive Group of Techint Engineering and Construction companies. In Italy, Techint specializes in the design, engineering and construction of industrial plants and major infrastructure projects and, over the years, it has consolidated a particular experience in refineries and petrochemical plants. Techint also designs and manufactures machinery and equipment for the steel industry and equipment for the rubber, glass and plastics industries.

Techint CimiMontubi, wholly owned by Techint from 1997, is a well known Italian engineering and construction company operating at present mainly in Italy, Egypt and Nigeria. The company has participated in the construction of the most important Italian iron and steel plants, power and nuclear plants and has also contributed to the construction of power plants of more than 50,000 MW capacity, worldwide.
In 1988 the Techint Group established TecHosp in order to promote, implement and manage health care initiatives. TecHosp has built or acquired a number of health care institutions of high complexity that constitute the Humanitas Group. Quality, efficiency and humaneness of the service, the scientific level and the quality of investments in innovation characterize TecHosp’s network in Italy.

TECHINT IN ARGENTINA
www.techint.com
Established in 1946, Techint Compañía Técnica Internacional is the leading engineering and construction company in Argentina and one of the most important in Latin America. The company has participated in the largest and technologically most complex projects in the country covering all market segments. After building the southern gas pipeline (inaugurated in 1949) and completing other pipeline projects, the company’s activities expanded during the 1950s to the field of power infrastructure. During the following two decades, Techint was established as one of the world’s major pipeline builders and as supplier of turn-key petroleum refineries and chemical or petrochemical plants. In the past few years, the company has also developed architectural projects in Argentina.

TECHINT IN BRAZIL
www.techint.com.br
Established in 1947, Techint has contributed to Brazil’s development by undertaking over 700 projects, such as the construction of oil and gas production, refining, treatment and transportation facilities; chemical and petrochemical complexes; iron, steel and non ferrous metal plants and basic sanitation and educational structures. Techint S.A. has played a particularly outstanding role in the oil and gas sector. The company’s achievements
include laying more than 8,000 Km of pipelines corresponding to 80% of the existing oil and gas pipeline system in Brazil.

TECHINT IN MEXICO

www.techint.com.mx

Techint is one of the leading EPC companies in Mexico, specializing in turn-key projects for the energy, oil & gas and petrochemical industries, as well as for the steel industry.

Established in 1954, the company has grown by participating in some of the country’s most important industrial and infrastructure projects, such as pipelines, petrochemical and gas plants, steel plants, hospitals, hydroelectric and combined cycle power plants, power transmission lines and electric substations.

In Mexico Techint has built more than 7,500 Km of high voltage transmission lines; more than 4,000 MW of power generation and high voltage electrical substations with a total capacity of 4,500 MVA.

Techint has also developed projects in the field of bulk material handling as the Petalcalco Coal Terminal, which is also operated by Techint.

TECHINT IN OTHER COUNTRIES

Techint has maintained a permanent presence and leadership in the engineering and construction market in several countries in Latin America, Middle East and Africa. In COLOMBIA the company has been active since 1979, particularly in oil and gas industry projects. In VENEZUELA, Techint developed major projects for the steel industry, and various infrastructure works.

Established in URUGUAY since 1956, Techint has been involved mostly in the construction of roads, highways and airports, and in other civil infrastructure works. Important projects have also been carried out in the energy field.

In CHILE, Techint’s main initial activity was the construction of roads and highways.

In the Middle East, Techint started working in SAUDI ARABIA in 1978 on a major gas pipeline project.

Since then, the company has been involved in projects which range from pipelines to industrial plants and water systems.

Since 1974, Techint ECUADOR has been one of the country’s leading companies in project construction and financing. The company has recently finished the construction of the Heavy Crude Oil pipeline and facilities, one of the largest and more difficult projects in its history.

In PERU, Techint has recently finished the construction of one of the major infrastructure projects in Latin America: the Camisea gas and NGL pipelines, 730 and 560 km long respectively.

The Group is also present in CHINA, KAZAKHSTAN, RUSSIA and UZBEKISTAN.
RESOURCES

HUMAN RESOURCES
Since its foundation, Techint has demonstrated outstanding management and technical skills, a commitment to project goals, flexibility and a careful attention to its human resources as well as to the needs of each customer. More than 30 years ago, Techint adopted a program to recruit and train young graduates. The “Young Professionals” Program constitutes the first stage in career planning for promising individuals, and has been recognized as a model by business communities in the countries where the Techint Group operates.

All employees in Techint participate in continuous training programs that are designed to raise performance, quality and safety standards; all key factors to ensuring customer’s satisfaction.

Techint has also created an in-house postgraduate course in project management aimed at developing the skills required to compete in today’s global environment. Course teachers are world-class university professors, lecturers and consultants who, together with the top managers of the Company, share their experiences in the fields of engineering, finance, procurement, marketing, team building, construction and operations. A similar program has been adapted and developed in order to train foremen and supervisors.

EQUIPMENT
In order to maintain a competitive edge, Techint continuously incorporates state-of-the-art equipment, systems and procedures to improve construction practices and ensure the safety of its personnel. The Company invests heavily in new equipment to maintain this standard and to ensure that corporate improvement goals are met to the satisfaction of customers worldwide. Techint owns more than 11,000 pieces of construction equipment, including over 1,300 pipeline construction units, and cranes with a total lifting capacity of more than 7,000 tons, (the largest capacity in Latin America).

INFORMATION SYSTEMS AND TECHNOLOGY
Techint understands that decisions taken during the engineering phase of a project are critical to ensure the best product for the client in terms of quality and schedule. All Techint’s project activities are driven by CAD and 3D Plant Design Systems. The use of PDS Intergraph Plant Design System to develop a 3D Model is the company’s standard. These applications combined with an Oracle developed Material Management System and the execution techniques at the different EPC stages result in significant savings in engineering and construction costs.
Pipeline Transportation Systems

Oil & Gas

Petroleum Refineries, Petrochemical & Chemical Plants

Power Plants

Power Transmission

Steel & Metals Plants

Industrial Plants

Mining

Infrastructure Facilities

Architectural Works

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